



RGS14 rabbit pAb

Cat No.:ES4528

For research use only

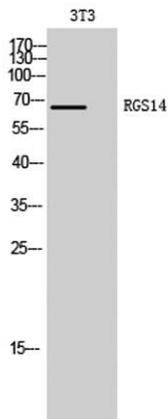
Overview

| | |
|---------------------------------|---|
| Product Name | RGS14 rabbit pAb |
| Host species | Rabbit |
| Applications | WB;ELISA;IHC |
| Species Cross-Reactivity | Human;Mouse;Rat |
| Recommended dilutions | WB 1:500-2000;IHC-p 1:50-300; ELISA 2000-20000 |
| Immunogen | The antiserum was produced against synthesized peptide derived from human RGS14. AA range:125-174 |
| Specificity | RGS14 Polyclonal Antibody detects endogenous levels of RGS14 protein. |
| Formulation | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| Storage | Store at -20°C. Avoid repeated freeze-thaw cycles. |
| Protein Name | Regulator of G-protein signaling 14 |
| Gene Name | RGS14 |
| Cellular localization | Nucleus . Nucleus, PML body . Cytoplasm . Membrane . Cell membrane . Cytoplasm, cytoskeleton, microtubule organizing center, centrosome . Cytoplasm, cytoskeleton, spindle . Cytoplasm, cytoskeleton, spindle pole . Cell projection, dendrite . Cell projectio |
| Purification | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| Clonality | Polyclonal |
| Concentration | 1 mg/ml |
| Observed band | 65kD |
| Human Gene ID | 10636 |
| Human Swiss-Prot Number | O43566 |
| Alternative Names | RGS14; Regulator of G-protein signaling 14; RGS14 |
| Background | This gene encodes a member of the regulator of G-protein signaling family. This protein contains one RGS domain, two Raf-like Ras-binding domains |

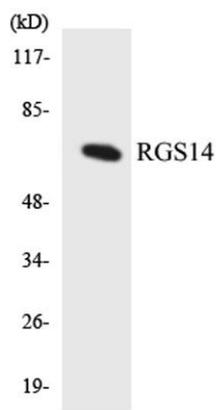




(RBDs), and one GoLoco domain. The protein attenuates the signaling activity of G-proteins by binding, through its GoLoco domain, to specific types of activated, GTP-bound G alpha subunits. Acting as a GTPase activating protein (GAP), the protein increases the rate of conversion of the GTP to GDP. This hydrolysis allows the G alpha subunits to bind G beta/gamma subunit heterodimers, forming inactive G-protein heterotrimers, thereby terminating the signal. Alternate transcriptional splice variants of this gene have been observed but have not been thoroughly characterized. [provided by RefSeq, Jul 2008],



Western Blot analysis of 3T3 cells using RGS14 Polyclonal Antibody cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Invent biotech, MN, USA).

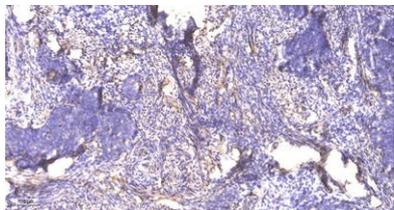


Western blot analysis of the lysates from HUVEC cells using RGS14 antibody.





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Immunohistochemical analysis of paraffin-embedded human cervical carcinoma. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).



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